WHAT IS CLAIMED IS:

1.   A data reproduction method for reproducing audio data from a recording medium in which said audio data is recorded every first period of time by a length of said first period of time, said audio data having a specific sampling frequency, said method comprising the steps of:

when said audio data of the first period of time recorded every said first period of time is reproduced every said first period of time, outputting said audio data reproduced every said first period of time with the number of items of sampled audio data being kept unchanged; and

when said audio data of the first period of time recorded every said first period of time is reproduced every second period of time, said second period of time being different from said first period of time, outputting said audio data with the number of items of sampled audio data being converted into the number corresponding to said second period of time, said sampled audio data being reproduced every said second period of time.

2.   A data reproduction method for reproducing video data and audio data from a recording medium in which said video data having a first frame frequency is recorded, and said audio data having a specific sampling frequency is recorded every specific period of time by a length of said specific period of time, said audio data corresponding to said video data, said specific period of time being any one of period of

time integer times larger than the frame period of said video data and period of time smaller by a factor of integer than the frame period of said video data, comprising the steps of:

when said video data is reproduced at said first frame frequency, outputting said audio data of said specific period of time with the number of items of sampled audio data being kept unchanged, said sampled audio data being sequentially reproduced in correspondence with said video data; and

when said video data is reproduced at a second frame frequency that is different from said first frame frequency, outputting said audio data of said specific period of time with the number of items of sampled audio data being converted into the number of items corresponding to said second frame frequency, said sampled audio data being sequentially reproduced in correspondence with said video data.

3. The data reproduction method according to claim 2, wherein said specific time of period is one field period, said period being a half of the frame period of said video data.

4. The data reproduction method according to claim 2, wherein said recording medium is a tape recording medium, and wherein a plurality of sync blocks is recorded on every at least one of inclined tracks of said tape recording medium, each of said sync blocks being produced from said video data and said audio data of said specific period of time.

5. The data recording method according to claim 4, wherein said video data and said audio data of said specific period of time are respectively divided into at least one encoding unit, and error correction encoding is performed for each divided encoding unit by use of a product code, and

wherein said sync block includes an internal encoding parity and a data string constituting an internal encoding calculation data stream.

6. A data reproduction apparatus, comprising:

a reproducer for reproducing audio data from a recording medium in which said audio data is recorded every first period of time by a length of said first period of time, said audio data having a specific sampling frequency; and

a rate converter for outputting, when said reproducer produces every said first period of time said audio data of the first period of time recorded every said first period of time, said audio data reproduced every said first period of time with the number of items of sampled audio data being kept unchanged, whereas for outputting, when said reproducer produces every second period of time said audio data of the first period of time recorded every said first period of time, said second period of time being different from said first period of time, said audio data with the number of items of sampled audio data being converted into the number corresponding to said second period of time, said sampled audio data being reproduced every said second period of time.

7. A data reproduction apparatus, comprising:

a reproducer for reproducing video data and audio data from a recording medium in which said video data having a first frame frequency is recorded, and said audio data having a specific sampling frequency is recorded every specific period of time by a length of said specific period of time, said audio data corresponding to said video data, said specific period of tome being any one of period of time integer times larger than the frame period of said video data and period of time smaller by a factor of integer than the frame period of said video data; and

a rate converter for outputting, when said video data is reproduced at said first frame frequency, said audio data of said specific period of time with the number of items of sampled audio data being kept unchanged, said sampled audio data being sequentially reproduced in correspondence with said video data, whereas for outputting, when said reproducer reproduces said video data at a second frame frequency that is different from said first frame frequency, said audio data of said specific period of time with the number of items of sampled audio data being converted into the number corresponding to said second frame frequency, said sampled audio data being sequentially reproduced in correspondence with said video data.

8. The data reproduction apparatus according to claim 7, wherein said specific time of period is one field period, said period being a half of the frame period of said video data.

9.   The data reproduction method according to claim 7, wherein said recording medium is a tape recording medium, and

wherein a plurality of sync blocks are recorded on every at least one of inclined tracks of said tape recording medium, each of said sync blocks being produced from said video data and said audio data of said specific period of time.

10.   The data recording method according to claim 9, wherein said video data and said audio data of said specific period of time are respectively divided into at least one encoding unit, and error correction encoding is performed for each divided encoding unit by use of a product code, and

wherein said sync block includes an internal encoding parity and a data string constituting an internal encoding calculation data stream.